

XP-002335513

c:\epodata\sealeplogflexternal.log

1/1 - (C) FILE CAPLUS  
 AN - 1988:7040 CAPLUS  
 DN - 108:7040  
 ED - Entered STN: 09 Jan 1988  
 TI - Dopants for electrically conductive polymers  
 IN - Iwata, Kaoru; Hagiwara, Tsunao  
 PA - Agency of Industrial Sciences and Technology, Japan  
 SO - Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 DT - Patent  
 LA - Japanese  
 IC - ICM C08K005-42  
 ICS C08G061-12; C08G073-00  
 ICA - H01B001-12  
 CC - 37-6 (Plastics Manufacture and Processing)  
 Section cross-reference(s): 76  
 FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN - JP62119237	A2	19870530	JP 1985-258770	19851120 <--
JP1038808B	B4	19890816		
			JP 1985-258770	19851120

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
------------	-------	------------------------------------

JP 62119237	ICM	C08K005-42
	ICS	C08G061-12; C08G073-00
	ICA	H01B001-12

- AB - The sulfonates  $RF_2(CF_2)_mSO_3-$  ( $R = H, F; m = 3-20$ ) are dopants for elec. conductive, org. polymers. Thus, 200 mL propylene carbonate 0.06M in pyrrole and 0.1M in  $CSF_17SO_3-Et_4N+$  and 2 mL water were placed in a cell with a Pt anode and Cu cathode and electrolyzed for 26 h at c.d. 5 mA and -20 degrees. to give a black, 30-.mm. film with elec. cond. 62 S/cm, contg. 21 mol% dopant.
- ST - fluoroalkanesulfonate dopant conductive polymer; pyrrole polymer elec conductive doping; doping polymer elec conductor; sulfonate perfluoroalkane doping polymer; perfluorooctanesulfonate doping polymer
- IT - Electric conductors  
 (org. polymers doped with fluoroalkanesulfonates as)
- IT - Sulfonic acids, uses and miscellaneous  
 RL: USES (Uses)  
 (alkane, perfluoro, doping agents for elec. conductive polymers)
- IT - 1763-23-1, n-Perfluorooctanesulfonic acid 56773-42-3, Tetraethylammonium n-perfluorooctanesulfonate 60483-92-1 111831-41-5 111864-24-5 111873-33-7  
 RL: USES (Uses)  
 (dopant, for elec. conductive org. polymers)
- IT - 25233-30-1, Polyaniline 30604-81-0, Polypyrrole 84928-92-7, Poly(3-methylthiophene)  
 RL: USES (Uses)  
 (elec. conductive, doping of, with perfluoroalkanesulfonates)